



HIBBING TACONITE COMPANY
Managed by Cliffs Mining Company
4950 County Highway 5 North, P.O. Box 589, Hibbing, MN 55746-0589
P 218.262.5950 clevelandcliffs.com

July 26, 2018

Regional Administrator
Air and Radiation Division
US EPA, Region 5 (A-18J)
77 West Jackson Boulevard
Chicago, IL 60604
R5airenforcement@epa.gov

Re: **Hibbing Taconite Company's Quarter 2 2018
Excess Emissions & Monitoring Performance Report
Permit Number 13700061**

To Whom It May Concern:

Hibbing Taconite Company (HTC) is subject to the 2016 Revision to 2013 Taconite Federal Implementation Plan Establishing BART for Taconite Plants (FIP) which requires the installation of Continuous Emission Monitors (CEMS) to monitor nitrogen oxides (NO_x) and sulfur dioxide (SO₂). This submittal satisfies the requirements of 40 CFR 52.1235(e)(7).

Per 40 CFR 52.1235(c)(4)(v), HTC is to provide a report of each performance evaluation and QA/QC check within 60 days of completion. The most recent performance evaluation results were submitted to the EPA on May 10th, 2018 from an audit performed during April 2018. A summary of the results are attached in Attachment A. During the reporting period, there were no out-of-control periods from the daily calibration drift assessments.

HTC does not have a limit in effect at this time associated with the NO_x CEMS, therefore the proposed NO_x limit listed in the FIP is not yet enforceable. The initial SO₂ limit came into effect during the 1st Quarter 2017 reporting period and was revised on April 11, 2018 to 347.4 lbs SO₂/hr. Data prior to this revised limit was compared against the previous limit of 247.8 lbs SO₂/hr. Attached is HTC's Quarterly Excess Emissions and Monitoring System Performance Report. Considering that HTC's NO_x limit is not yet enforceable, HTC's report will contain a zero (0) in the boxes related to excess emission events. Periods of downtime that occurred during this reporting quarter are listed by monitor in the attached report.

Please contact Julie Lucas at (218) 262-6856 or julie.lucas@clevelandcliffs.com if you have any questions regarding this report.

I certify, based on the information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,

A handwritten signature in blue ink, reading "Edward LaTendresse", followed by a horizontal line.

Edward LaTendresse
General Manager

Cc: Julie Lucas, HTC
Jason Aagenes, Cleveland Cliffs

Attachment A: Quality Control Reporting
Relative Accuracy Test Audit Results
Cylinder Gas Audit Results

RATA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (%)	Next Test Due	Pass/Fail	Comments
020	021	Furnace Line One, Stack 1	No MR	NO _x	7/24/2017	1.3	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/24/2017	8.6	3rd Quarter, 2018	Pass	Results less than 20%
	022	Furnace Line One, Stack 2	No MR	NO _x	7/24/2017	2.0	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/24/2017	6.0	3rd Quarter, 2018	Pass	Results less than 20%
	023	Furnace Line One, Stack 3	No MR	NO _x	7/24/2017	1.3	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/24/2017	10.5	3rd Quarter, 2018	Pass	Results less than 20%
	024	Furnace Line One, Stack 4	No MR	NO _x	7/24/2017	4.3	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/24/2017	4.7	3rd Quarter, 2018	Pass	Results less than 20%
021	025	Furnace Line Two, Stack 4	No MR	NO _x	7/25/2017	1.8	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/25/2017	9.9	3rd Quarter, 2018	Pass	Results less than 20%
	026	Furnace Line Two, Stack 3	No MR	NO _x	7/25/2017	2.4	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/25/2017	10.9	3rd Quarter, 2018	Pass	Results less than 20%
	027	Furnace Line Two, Stack 2	No MR	NO _x	7/26/2017	8.2	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/26/2017	6.2	3rd Quarter, 2018	Pass	Results less than 20%
	028	Furnace Line Two, Stack 1	No MR	NO _x	7/26/2017	8.3	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/26/2017	1.2	3rd Quarter, 2018	Pass	Results less than 20%
022	029	Furnace Line One, Stack 1	No MR	NO _x	7/26/2017	2.9	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/26/2017	5.8	3rd Quarter, 2018	Pass	Results less than 20%
	030	Furnace Line One, Stack 2	No MR	NO _x	7/26/2017	1.1	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/26/2017	2	3rd Quarter, 2018	Pass	Results less than 20%
	031	Furnace Line One, Stack 3	No MR	NO _x	7/27/2017	1.3	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/27/2017	1.5	3rd Quarter, 2018	Pass	Results less than 20%
	032	Furnace Line One, Stack 4	No MR	NO _x	7/27/2017	6.2	3rd Quarter, 2018	Pass	Results less than 20%
				SO ₂	7/27/2017	6.2	3rd Quarter, 2018	Pass	Results less than 20%

*The full RATA report has previously been submitted to the EPA. Refer to the referenced report for more information.

CGA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (L/M%)	Next Test Due	Pass/Fail	Comments
020	021	Furnace Line One, Stack 1	No MR	NO _x	4/25/2018	0.6/0.3	4th Quarter, 2018	Pass	None
				SO ₂	4/24/2018	1.7/0.9	4th Quarter, 2018	Pass	
	022	Furnace Line One, Stack 2	No MR	NO _x	4/25/2018	0.2/0.1	4th Quarter, 2018	Pass	
				SO ₂	4/24/2018	1.4/0.7	4th Quarter, 2018	Pass	
	023	Furnace Line One, Stack 3	No MR	NO _x	4/25/2018	2.4/2.0	4th Quarter, 2018	Pass	
				SO ₂	4/24/2018	0.4/1.4	4th Quarter, 2018	Pass	
	024	Furnace Line One, Stack 4	No MR	NO _x	4/25/2018	0.1/0.2	4th Quarter, 2018	Pass	
				SO ₂	4/24/2018	2.5/0.4	4th Quarter, 2018	Pass	
021	025	Furnace Line Two, Stack 4	No MR	NO _x	4/24/2018	0.8/1.2	4th Quarter, 2018	Pass	None
				SO ₂	4/25/2018	0.4/1.3	4th Quarter, 2018	Pass	
	026	Furnace Line Two, Stack 3	No MR	NO _x	4/24/2018	0.7/0.6	4th Quarter, 2018	Pass	
				SO ₂	4/25/2018	4.2/1.1	4th Quarter, 2018	Pass	
	027	Furnace Line Two, Stack 2	No MR	NO _x	4/24/2018	0.1/0.9	4th Quarter, 2018	Pass	
				SO ₂	4/25/2018	0.6/2.9	4th Quarter, 2018	Pass	
	028	Furnace Line Two, Stack 1	No MR	NO _x	4/24/2018	1.4/1.3	4th Quarter, 2018	Pass	
				SO ₂	4/25/2018	2.8/1.0	4th Quarter, 2018	Pass	
022	029	Furnace Line One, Stack 1	No MR	NO _x	4/24/2018	1.2/0.5	4th Quarter, 2018	Pass	None
				SO ₂	4/25/2018	5.2/3.6	4th Quarter, 2018	Pass	
	030	Furnace Line One, Stack 2	No MR	NO _x	4/24/2018	0.5/0.7	4th Quarter, 2018	Pass	
				SO ₂	4/25/2018	3.7/1.9	4th Quarter, 2018	Pass	
	031	Furnace Line One, Stack 3	No MR	NO _x	4/24/2018	1.1/1.4	4th Quarter, 2018	Pass	
				SO ₂	4/25/2018	4.5/0.3	4th Quarter, 2018	Pass	
	032	Furnace Line One, Stack 4	No MR	NO _x	4/24/2018	0.2/0.3	4th Quarter, 2018	Pass	
				SO ₂	4/25/2018	2.1/0.9	4th Quarter, 2018	Pass	

* Alternate Specification in PPM if noted with asterisk

* Alternate Specification in PPM if noted with asterisk

Cylinder Gas Audit Information – Q2 2018						
Gas	Test Level	Analyzers	Cylinder ID Number	Date of Certification	Type of Certification	Certified Audit Value
NOX	Low	SV021-SV032	EB0086452	1/11/2017	EPA Protocol	50.07
NOX	Mid	SV021-SV032	CC419309	9/8/2017	EPA Protocol	100.7
SO2	Low	SV021-SV024 SV029-SV032	AAL067389	8/15/2017	EPA Protocol	12.50
SO2	Low	SV025-SV028	CC400334	11/7/2017	EPA Protocol	12.61
SO2	Mid	SV021-SV024 SV029-SV032	ALM-041108	4/24/2017	EPA Protocol	25.12
SO2	Mid	SV025-SV028	CC50524	8/20/2017	EPA Protocol	24.49

Attachment B: Excess Emissions Report

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4960 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU02D SV021

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
 Total Source Operating Days in Reporting Period: 91 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mathak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS
 Analyzer Serial Number: 13438339/ 8398564
 Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary		
1. Duration of excess emissions in reporting period due to:		
a. Startup/Shutdown	0.0	0.0
b. Control equipment problems	0.0	0.0
c. Process problems	0.0	0.0
d. Other known causes	0.0	0.0
e. Unknown causes	0.0	0.0
2. Total duration of excess emissions (days)	0.0	0.00%
3. Total duration of excess emissions (%)		0.00%

CMS Performance Summary		
1. CMS Downtime in reporting period due to:		
a. Monitor equipment malfunctions	0.0	0.0
b. Non-Monitor equipment malfunctions	0.0	0.0
c. Quality assurance calibration	0.0	0.0
d. Other known causes	0.0	0.0
e. Unknown causes	0.0	0.0
2. Total CMS Downtime (hours)	0.0	0.0
3. Total CMS Downtime (%)		0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period.				
Corrective Action				

CMS Downtime Details		
Start Date & Time	End Date & Time	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.		
	0.0	
	0.0	
	0.0	
	0.0	
	0.0	
	0.0	
	0.0	
	0.0	
	0.0	
Corrective Action		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV022

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
 Total Source Operating Days in Reporting Period: 91 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T2000i
 Analyzer Serial Number: 226
 Date of Latest CMS Certification or Audit: 4/25/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary			
1. Duration of excess emissions in reporting period due to:			
a. Startup/Shutdown	0.0		
b. Control equipment problems	0.0		
c. Process problems	0.0		
d. Other known causes	0.0		
e. Unknown causes	0.0		
2. Total duration of excess emissions (days)	0.0		
3. Total duration of excess emissions (%)	0.00%		

CMS Performance Summary			
1. CMS Downtime in reporting period due to:			
a. Monitor equipment malfunctions	6.0		
b. Non-Monitor equipment malfunctions	0.0		
c. Quality assurance calibration	0.0		
d. Other known causes	0.0		
e. Unknown causes	0.0		
2. Total CMS Downtime (hours)	6.0		
3. Total CMS Downtime (%)	0.28%		

Excess Emissions Details			
Start Date & Time	End Date & Time	Pollutant	Corrective Action
There were no periods of excess emissions during this reporting period			

CMS Downtime Details			
Start Date & Time	End Date & Time	Cause of Monitor Downtime	Corrective Action
6/2/18 17:00	6/2/18 17:59	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/2/18 21:00	6/2/18 21:59	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/3/18 1:00	6/3/18 1:59	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/3/18 5:00	6/3/18 5:59	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/3/18 7:00	6/3/18 8:59	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU020 SV022

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
Total Source Operating Days in Reporting Period: 91 days
Emission Limitation: N/A
Analyzer Analyte: SO2
Analyzer Manufacturer: Teledyne Monitor Labs
Analyzer Manufacturer Model No.: T100H
Analyzer Serial Number: 136
Date of Latest CMS Certification or Audit: 4/24/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary			
1. Duration of excess emissions in reporting period due to:			
a. Startup/Shutdown	0.0		0.0
b. Control equipment problems	0.0		0.0
c. Process problems	0.0		0.0
d. Other known causes	0.0		0.0
e. Unknown causes	0.0		0.0
2. Total duration of excess emissions (days)	0.0		0.0
3. Total duration of excess emissions (%)	0.00%		0.00%

CMS Performance Summary			
1. CMS Downtime in reporting period due to:			
a. Non-Monitor equipment malfunctions	6.0		6.0
b. Non-Monitor equipment malfunctions	0.0		0.0
c. Quality assurance calibration	0.0		0.0
d. Other known causes	0.0		0.0
e. Unknown causes	0.0		0.0
2. Total CMS Downtime (hours)	6.0		6.0
3. Total CMS Downtime (%)	0.28%		0.28%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
6/2/18 17:00	6/2/18 17:59	1.0	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/2/18 21:00	6/2/18 21:59	1.0	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/3/18 1:00	6/3/18 1:59	1.0	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/3/18 5:00	6/3/18 5:59	1.0	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
6/3/18 7:00	6/3/18 8:59	2.0	Monitor equipment malfunctions	Chiller malfunction - repaired, followed SSM plan
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 4850 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV022

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
 Total Source Operating Days in Reporting Period: 91 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSHS
 Analyzer Serial Number: 11318686/ 11318687
 Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary		CMS Performance Summary	
1. Duration of excess emissions in reporting period due to:		1. CMS Downtime in reporting period due to:	
a. Startup/Shutdown	0.0	a. Monitor equipment malfunctions	0.0
b. Control equipment problems	0.0	b. Non-Monitor equipment malfunctions	0.0
c. Process problems	0.0	c. Quality assurance calibration	0.0
d. Other known causes	0.0	d. Other known causes	0.0
e. Unknown causes	0.0	e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0	2. Total CMS Downtime (hours)	0.0
3. Total duration of excess emissions (%)	0.00%	3. Total CMS Downtime (%)	0.00%

Excess Emissions Details			
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Magnitude of Emissions
There were no periods of excess emissions during this reporting period			
Corrective Action			

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
Corrective Action			

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV023

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
 Total Source Operating Days in Reporting Period: 91 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 224
 Date of Latest CMS Certification or Audit: 4/25/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary			
1. Duration of excess emissions in reporting period due to:			
a. Startup/Shutdown		0.0	0.0
b. Control equipment problems		0.0	0.0
c. Process problems		0.0	0.0
d. Other known causes		0.0	0.0
e. Unknown causes		0.0	0.0
2. Total duration of excess emissions (days)		0.0	0.0
3. Total duration of excess emissions (%)			0.00%

CMS Performance Summary		
1. CMS Downtime in reporting period due to:		
a. Monitor equipment malfunctions		0.0
b. Non-Monitor equipment malfunctions		0.0
c. Quality assurance calibration		0.0
d. Other known causes		0.0
e. Unknown causes		0.0
2. Total CMS Downtime (hours)		0.0
3. Total CMS Downtime (%)		0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details		
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)
There were no periods of downtime during this reporting period.		
		0.0
		0.0
		0.0
		0.0
		0.0
		0.0
		0.0
		0.0
Corrective Action		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV023

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
 Total Source Operating Days in Reporting Period: 91 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSHS
 Analyzer Serial Number: 11318686/ 11318679
 Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary			
1. Duration of excess emissions in reporting period due to:			
a. Startup/Shutdown		0.0	0.0
b. Control equipment problems		0.0	0.0
c. Process problems		0.0	0.0
d. Other known causes		0.0	0.0
e. Unknown causes		0.0	0.0
2. Total duration of excess emissions (days)			0.0
3. Total duration of excess emissions (%)			0.00%

CMS Performance Summary			
1. CMS Downtime in reporting period due to:			
a. Monitor equipment malfunctions		0.0	0.0
b. Non-Monitor equipment malfunctions		0.0	0.0
c. Quality assurance calibration		0.0	0.0
d. Other known causes		0.0	0.0
e. Unknown causes		0.0	0.0
2. Total CMS Downtime (hours)			0.0
3. Total CMS Downtime (%)			0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.00	
		0.00	
		0.00	
Corrective Action			

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
EU020 SV024

Process Unit Identification: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
Total Source Operating Days in Reporting Period: 91 days
Emission Limitation: N/A
Analyzer Analyte: NOX
Analyzer Manufacturer: Teledyne Monitor Labs
Analyzer Manufacturer Model No.: T200M
Analyzer Serial Number: 215
Date of Latest CMS Certification or Audit: 4/25/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary			
1. Duration of excess emissions in reporting period due to:			
a. Startup/Shutdown		0.0	0.0
b. Control equipment problems		0.0	0.0
c. Process problems		0.0	0.0
d. Other known causes		0.0	0.0
e. Unknown causes		0.0	0.0
2. Total duration of excess emissions (days)			0.0
3. Total duration of excess emissions (%)			0.00%

CMS Performance Summary			
1. CMS Downtime in reporting period due to:			
a. Monitor equipment malfunctions		0.0	0.0
b. Non-Monitor equipment malfunctions		0.0	0.0
c. Quality assurance calibration		0.0	0.0
d. Other known causes		0.0	0.0
e. Unknown causes		0.0	0.0
2. Total CMS Downtime (hours)			0.0
3. Total CMS Downtime (%)			0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4850 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV024

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,126 hours
 Total Source Operating Days in Reporting Period: 91 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 135
 Date of Latest CMS Certification or Audit: 4/24/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary			
1. Duration of excess emissions in reporting period due to:			
a. Startup/Shutdown		0.0	0.0
b. Control equipment problems		0.0	0.0
c. Process problems		0.0	0.0
d. Other known causes		0.0	0.0
e. Unknown causes		0.0	0.0
2. Total duration of excess emissions (days)		0.0	
3. Total duration of excess emissions (%)		0.00%	

CMS Performance Summary			
1. CMS Downtime in reporting period due to:			
a. Monitor equipment malfunctions		0.0	0.0
b. Non-Monitor equipment malfunctions		0.0	0.0
c. Quality assurance calibration		0.0	0.0
d. Other known causes		1.0	1.0
e. Unknown causes		0.0	0.0
2. Total CMS Downtime (hours)		1.0	
3. Total CMS Downtime (%)		0.05%	

Excess Emissions Details			
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Corrective Action
There were no periods of excess emissions during this reporting period			

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Corrective Action
04/23/2018 10:00	04/23/2018 10:59	1.0	Routine maintenance work. Returned to operation. Followed SSM plan.
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018

Company Name: Hibbing Taconite Company

Company Address: 4950 Hwy 5 North
Hibbing MN

Process Unit Address:

Process Unit Identification: EU020 SY024

Process Unit Description:

Pellet Indurating Furnace Line No. 1: straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

2,126 hours

Total Source Operating Days in Reporting Period:

91 days

Emission Limitation:

N/A

Analyzer Analyte:

Stack Flow

Analyzer Manufacturer:

Sioux Mailhak

Analyzer Manufacturer Model No.:

FLSE 100-H K178 38SHSHS

Analyzer Serial Number:

8398560 8398551

Date of Latest CMS Certification of Audit:

7/27/2017

11318674/1168507*

*Installed from 4/20/18 9:50AM to 5/4/18 10:42AM

Description of changes in CEMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	3.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.14%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					
Corrective Action					

CMS Downtime Details				Corrective Action	
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Flow meter cleaned. Returned to operation. Followed SSM plan.	
06/24/2018 23:00	06/25/2018 01:59	3.0	Monitor equipment malfunctions		
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN

Process Unit Identification: EU021

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,737 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks

Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
		0.00	See Individual Stacks
		0.00	
		0.00	
		0.00	
		0.00	
		0.00	
		0.00	
		0.00	
		0.00	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates:

April 1, 2018 - June 30, 2018

Company Name:

Hibbing Taconite Company

Company Address:

4950 Hwy 5 North

Hibbing MN

Process Unit Identification:

EU021 SVO25

Process Unit Description:

Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

1,737 hours

Total Source Operating Days in Reporting Period:

75 days

Emission Limitation:

N/A

Analyzer Analyte:

NOX

Analyzer Manufacturer:

Teledyne Monitor Labs

Analyzer Manufacturer Model No.:

T200H

Analyzer Serial Number:

199

Date of Latest CMS Certification or Audit:

4/24/2018

Description of changes in CMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
Corrective Action			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 4950 Hwy 5 North
 Hibbing MN

Company Address: Hibbing MN
 EU021 SV025

Process Unit Identification: Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.

Process Unit Description: Total Source Operating Time in Reporting Period: 1,737 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 117
 Date of Latest CMS Certification or Audit: 4/25/2018

Description of changes in CMS processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				

CMS Downtime Details		
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)
There were no periods of downtime during this reporting period.		

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:

Company Name:

Company Address:

Process Unit Identification:

Process Unit Description:

April 1, 2018 - June 30, 2018
Hibbing Taconite Company
4950 Hwy 5 North
Hibbing MN
EU021 SV025

Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

Total Source Operating Days in Reporting Period:

Emission Limitation:

Analyzer Analyte:

Analyzer Manufacturer:

Analyzer Manufacturer Model No.:

Analyzer Serial Number:

Date of latest CMS Certification or Audit:

Description of changes in CEMS, processes, or controls since last reporting period:

1,737 hours

75 days

N/A

Stack Flow

Sick Mahlak

FLSE 100-H K178 35SHSHS

11318688/ 11318689

7/27/2017

N/A

Excess Emissions Summary

1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary

1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4850 Hwy 5 North
 Hibbing MN
 EU021 SV026

Process Unit Identification: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,737 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Model No.: T200M
 Analyzer Serial Number: 179
 Date of Latest CMS Certification or Audit: 4/24/2018

Description of changes in CMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				

Corrective Action

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Corrective Action

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 4950 Hwy 5 North
 Hibbing MN

Company Address: Hibbing MN
 EU021 SY026

Process Unit Identification: Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.

Process Unit Description: Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,737 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 115
 Date of Latest CMS Certification or Audit: 4/28/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				
CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 4950 Hwy 5 North
 Hibbing MN

Company Address:
 Process Unit Identification: EU021 SY026

Process Unit Description: Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,737 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Matriak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSHS
 Analyzer Serial Number: 11318672/11318695
 Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
Corrective Action			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates:

April 1, 2018 - June 30, 2018

Company Name:

Hibbing Taconite Company
 4950 Hwy 5 North
 Hibbing MN

Company Address:

Process Unit Identification:

EU021 SV027

Process Unit Description:

Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

1,737 hours

Total Source Operating Days in Reporting Period:

75 days

Emission Limitation:

N/A

Analyzer Analyte:

NOX

Analyzer Manufacturer:

Teledyne Monitor Labs

Analyzer Manufacturer Model No.:

T200M

Analyzer Serial Number:

197

Date of Latest CMS Certification or Audit:

4/24/2018

Description of changes in CEMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					Corrective Action	
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				Corrective Action	
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime		
There were no periods of downtime during this reporting period.					
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			

Required by 40 CFR 52.1235(e)(7)

April 1, 2018 - June 30, 2018

Hibbing Taconite Company

4950 Hwy 5 North

Hibbing MN

EU021 SV027

Pellet Indurating Furnace Line No. 2; straight grate indurating furnace

1,737 hours

75 days

N/A

502

Teledyne Monitor Labs

T10

116
422612048

N/A

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	0.0
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%
Excess Emissions Details	
Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period	
CMS Downtime Details	
of Monitor Downtime	
There were no periods of downtime during this reporting period	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates:

April 1, 2018 - June 30, 2018

Company Name:

Hibbing Taconite Company

Company Address:

4950 Hwy 5 North
Hibbing MN

Process Unit Identification:

EU021 SV027

Process Unit Description:

Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

1,737 hours

Total Source Operating Days in Reporting Period:

76 days

Emission Limitation:

N/A

Analyzer Analyte:

Stack Flow

Analyzer Manufacturer:

Sick Mahlak

Analyzer Manufacturer Model No.:

FLSE 100-H K178 3SHSHS

Analyzer Serial Number:

11318684/ 11318691

Date of Latest CMS Certification or Audit:

7/27/2017

Description of changes in CMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Corrective Action
There were no periods of excess emissions during this reporting period				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Corrective Action
There were no periods of downtime during this reporting period.			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report **Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN

Process Unit Identification: EU021 SY028

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,737 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 198
 Date of Latest CMS Certification or Audit: 4/24/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				

CMS Downtime Details			Corrective Action
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	
There were no periods of downtime during this reporting period.			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 62.1235(e)(7)

Reporting Period Dates:

Company Name:

Company Address:

Process Unit Identification:

Process Unit Description:

April 1, 2018 - June 30, 2018

Hibbing Taconite Company
 4950 Hwy 5 North
 Hibbing MN

EU021 SV028

Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

Total Source Operating Days in Reporting Period:

Emission Limitation:

Analyzer Analyte:

Analyzer Manufacturer:

Analyzer Manufacturer Model No.:

Analyzer Serial Number:

Date of Latest CMS Certification or Audit:

1,737 hours

75 days

N/A

SO2

Tekedyne Monitor Labs

T100H

119

4/25/2018

Description of changes in CEMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary

1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary

1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018

Company Name: Hibbing Taconite Company

Company Address: 4960 Hwy 5 North

Hibbing MN

Process Unit Identification: EU021 SV028

Process Unit Description: Pellet Indurating Furnace Line No. 2, straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,737 hours

Total Source Operating Days in Reporting Period: 75 days

Emission Limitation: N/A

Analyzer Analyte: Stack Flow

Analyzer Manufacturer: Sick Mahlak

Analyzer Manufacturer Model No.: FLSE 100-H K178 36SHS

Analyzer Serial Number: 11318678/ 11318673

Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of downtime during this reporting period.			
Corrective Action			

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:

April 1, 2018 - June 30, 2018

Company Name:

Hibbing Taconite Company

Company Address:

4850 Hwy 5 North
Hibbing MN

Process Unit Identification:

EU022

Process Unit Description:

Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

1,750 hours

Total Source Operating Days in Reporting Period:

76 days

Emission Limitation:

N/A

Analyzer Analyte:

NOX

Analyzer Manufacturer:

See Individual Stacks

Analyzer Manufacturer Model No.:

See Individual Stacks

Analyzer Serial Number:

See Individual Stacks

Date of Latest CMS Certification or Audit:

See Individual Stacks

Description of changes in CEMS, processes, or controls since last reporting period:

See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					
CMS Downtime Details					
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime		Corrective Action
		0.00	See Individual Stacks		
		0.00			
		0.00			
		0.00			
		0.00			
		0.00			
		0.00			

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company

Company Address: 4950 Hwy 5 North
 Hibbing MN

Process Unit Identification: EU022 SV029

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,750 hours
 Total Source Operating Days in Reporting Period: 76 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 213
 Date of Latest CMS Certification or Audit: 4/24/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
Corrective Action					
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates:

April 1, 2018 - June 30, 2018

Company Name:

Hibbing Taconite Company
 4950 Hwy 5 North

Company Address:

Hibbing MN
 EU022 SV029

Process Unit Identification:

Process Unit Description:

Pellet Indurating Furnace Line No. 3, straight grate indurating furnace.

Total Source Operating Time in Reporting Period:
 Total Source Operating Days in Reporting Period:

1,750 hours
 76 days

Emission Limitation:

N/A

Analyzer Analyte:

SO2

Analyzer Manufacturer:

Teledyne Monitor Labs

Analyzer Manufacturer Model No.:

T100H

Analyzer Serial Number:

129

Date of Latest CMS Certification or Audit:

4/25/2018

Description of changes in CEMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					Corrective Action
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				Corrective Action
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
Company Name: Hibbing Taconite Company
4950 Hwy 5 North
Hibbing MN

Company Address:
Process Unit Identification: EU022 SV029

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,750 hours
Total Source Operating Days in Reporting Period: 76 days
Emission Limitation: N/A
Analyzer Analyte: Stack Flow
Analyzer Manufacturer: Sick Mahlak
Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS
Analyzer Serial Number: 11318676/11318683
Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details			
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime
There were no periods of monitor downtime during this reporting period			
Corrective Action			
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	
		0.0	

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018

Company Name: Hibbing Taconite Company

Company Address: 4950 Hwy 5 North

Company Identification: Hibbing MN

Process Unit Identification: EU022 SY030

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,750 hours
 Total Source Operating Days in Reporting Period: 76 days

Emission Limitation: N/A

Analyzer Analyte: NOX

Analyzer Manufacturer: Teledyne Monitor Labs

Analyzer Manufacturer Model No.: T200M

Analyzer Serial Number: 212

Date of Latest CMS Certification or Audit: 4/24/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.06%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Cause of Excess Emissions			Corrective Action	

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
06/29/2018 06:00	06/29/2018 06:59	1.0	Non-Monitor equipment malfunctions	Calibration and line shutdown caused invalid hour. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Required by 40 CFR 52.1235(e)(7)

April 1, 2018 - June 30, 2018

Hibbing Taconite Company

4950 Hwy 5 North

EU022 SV030

Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

1,750 hours

76 days

N/A

\$Q2

Teledyne Monitor Labs

T100H

130

4/25/2018

N/A

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.06%

[illegible]

Required by 40 CFR 52.1235(e)(7)

April 1, 2018 - June 30, 2018

Hibbing Taconite Company

4830 Hwy 3 North
Hibbing MN

EU022 SV030

Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

1,750 hours

76 days

N/A

Stack Flow

Sick Mainak

FLSE 100-H K178 35HSHS

41318682/ 41318681

7/27/2017

NIJ

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0%
b. Non-Monitor equipment malfunctions	0.0%
c. Quality assurance calibration	0.0%
d. Other known causes	0.0%
e. Unknown causes	0.0%
2. Total CMS Downtime (hours)	0.0%
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details	
Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period.	

[illegible]

Required by 40 CFR 52.1235(e)(7)

April 1, 2018 - June 30, 2018

Hibbing Taconite Company

4950 Hwy 5 North

Hibbing MN

EU022 SV031

Pellet Indurating Furnace Line No. 3; straight grate indurating furnace

1,750 hours

76 days

N/A

NOX

Teledyne Monitor Labs

T200M

214

N/A

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details		
Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period		

[illegible]

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates:

April 1, 2018 - June 30, 2018

Company Name:

Hibbing Taconite Company

Company Address:

4950 Hwy 5 North
Hibbing MN

Process Unit Identification:

EU022 SVO31

Process Unit Description:

Pellet Indurating Furnace Line No. 3, straight grate indurating furnace.

Total Source Operating Time in Reporting Period:

1,750 hours

Total Source Operating Days in Reporting Period:

76 days

Emission Limitation:

N/A

Analyzer Analyte:

SO2

Analyzer Manufacturer:

Teledyne Monitor Labs

Analyzer Manufacturer Model No.:

T100H

Analyzer Serial Number:

132

Date of Latest CMS Certification or Audit:

4/29/2018

Description of changes in CEMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details				
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions
There were no periods of excess emissions during this reporting period				
Corrective Action				

CMS Downtime Details			Corrective Action	
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Hibbing MN

Process Unit Identification: EIU022 SV031

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,750 hours
 Total Source Operating Days in Reporting Period: 76 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS
 Analyzer Serial Number: 11318670/ 11318677
 Date of Latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
		0.0	There were no periods of monitor downtime during this reporting period	
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 62.123(e)(7)

Reporting Period Dates:

Company Name:

Company Address:

Process Unit Identification:

Process Unit Description:

Total Source Operating Time in Reporting Period:
Total Source Operating Days in Reporting Period:

Emission Limitation:

Analyzer Analyte:

Analyzer Manufacturer:

Analyzer Manufacturer Model No.:

Analyzer Serial Number:

Date of Latest CMS Certification or Audit:

Description of changes in CEMS, processes, or controls since last reporting period:

April 1, 2018 - June 30, 2018

Hibbing Taconite Company
4950 Hwy 5 North
Hibbing MN

EU022 SV032

Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

1,750 hours
76 days

N/A

NOX

Teledyne Monitor Labs

T200M

195

4/24/2018

N/A

Excess Emissions Summary

1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary

1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018

Company Name: Hibbing Taconite Company

Company Address: 4950 Hwy 5 North

Hibbing MN

EU022 SV032

Process Unit Identification: Pellet Indurating Furnace Line No. 3: straight grate indurating furnace.

Process Unit Description:

Total Source Operating Time in Reporting Period: 1,750 hours

Total Source Operating Days in Reporting Period: 76 days

Emission Limitation:

Analyzer Analyte:

Analyzer Manufacturer:

Analyzer Manufacturer Model No.:

Analyzer Serial Number:

Date of Latest CMS Certification or Audit:

Description of changes in CEMS, processes, or controls since last reporting period:

N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.123(e)(7)

Reporting Period Dates: April 1, 2018 - June 30, 2018
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN

Process Unit Identification: EU022 SV032
 Pellet Indurating Furnace Line No. 3; straight grate indurating furnaces.

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnaces.

Total Source Operating Time in Reporting Period: 1,750 hours
 Total Source Operating Days in Reporting Period: 76 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mathak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHSHS
 Analyzer Serial Number: 11318680/ 11318671
 Date of latest CMS Certification or Audit: 7/27/2017

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						Corrective Action
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

